Element Performance Inspection (EPI) Data Collection Tool 4.2.1 Maintenance / Required Inspection Item (RII) Training Program (AW) Revision#: 8 Revision Date: 07/24/2015

ELEMENT SUMMARY INFORMATION

Scope of Element:

Purpose (operator's responsibility): To ensure that all maintenance personnel (including maintenance providers and inspection personnel) are fully trained and competent to perform their duties.

Objective (FAA oversight responsibility): To determine:

- The effectiveness of the operator's procedures in meeting the desired output of the process,
- If the operator follows its procedures, controls, process measurements, and interfaces, and
- If there were any changes in the personnel identified by the operator as having responsibility and/or authority, for the Maintenance / Required Inspection Item (RII) Training Program.

Specific Instructions:

Intentionally left blank

Related EPIs:

Intentionally left blank

SUPPLEMENTAL INFORMATION

Regulatory Requirements:

121.135, Manual contents

121.367, Maintenance, preventive maintenance, and alterations programs.

121.369, Manual requirements.

121.371, Required inspection personnel.

121.373, Continuing analysis and surveillance.

121.375, Maintenance and preventive maintenance training program.

Related CFRs & FAA Policy/Guidance:

Related CFRs:

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FAA Policy/Guidance:

FAA Order 8900.1, Volume 3, Chapter 24, Section 1

FAA Order 8900.1, Volume 3, Chapter 24, Section 2

AC 65-31, Training Qualification and Certification of NDI Personnel

AC 120-16 Air Carrier Maintenance Programs

AC 120-72 Maintenance Resource Management Training

EPI SECTION 1 - PERFORMANCE OBSERVABLES

Objective:

The tasks and questions in this section of the EPI are designed to assist in determining if the operator follows its written procedures and controls and meets the established performance measures of the process. The initial series of questions address the output(s) of the process and the last several questions address whether or not various aspects of the process were followed.

Tasi	ks
	The inspector shall accomplish the following tasks:
1	Review the information listed in the Supplemental Information Section of this DCT.
2	Review policies, procedures, instructions, and information for this element.
3	Review the most recently accomplished Safety Attribute Inspection (SAI) for this element.
4	Observe the performance of this element to gain an understanding of the procedures, instructions, and information.
5	Discuss this element with the personnel who perform the duties and responsibilities required by the process.

Ques	tions		
1.1	•	ining given per the training program for: Maintenance, Preventive maintenance, or Required inspection item (RII) functions?	☐ Yes☐ No, Explain☐ Not Observable
		d: Rev # 3 on 12/03/2009 Question: Flag, Supplemental, Domestic	
	Related	Performance JTIs:	
	1.	Check, at the training records repository, that company indoctrination training was accomplished in accordance with Certificate Holder's design.	
		Sources: FAA Order 8900.1, Volume 3, Chapter 24, Section 1	
	2.	Check, at the training center, through course observation, that indoctrination training instructs maintenance and inspection personnel in the use of its policies, procedures, manuals and forms in accordance with the Certificate Holder's design.	
		Sources: FAA Order 8900.1, Volume 3, Chapter 24, Section 1	
	3.	Check, at the training center, through course observation, that company formal technical training is accomplished in accordance with Certificate Holder's design.	
		Sources: FAA Order 8900.1, Volume 3, Chapter 24, Section 1	

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		 Check, at the air carrier specified location that company on-the-job technical training is accomplished in accordance with Certificate Holder's design. 	
		Sources: FAA Order 8900.1, Volume 3, Chapter 24, Section 1	
•	1.2	Was a list, or other similar method, that defines the program's required training tasks maintained and current for:	Yes No, Explain Not Observable
		 Maintenance, Preventive maintenance, or Required inspection item (RII) functions? 	
		Updated: Rev # 3 on 12/03/2009 Kind Of Question: Flag, Supplemental, Domestic	
•	1.3	Were training records complete and current for maintenance and inspection personnel?	☐ Yes ☐ No, Explain ☐ Not Observable
		Note(s): Completed training records should show that the required training tasks defined by the program were accomplished. The method of defining the required training tasks may be in the form of a list or other similar method.	
		Updated: Rev # 3 on 12/03/2009 Kind Of Question: Flag, Supplemental, Domestic	
	1.4	Did the operator's NDI training program ensure personnel were:	Yes No, Explain
		 Knowledgeable of the applications and limitations of the various NDI methods, Trained to conduct both the performance of NDT tests and the 	Not Applicable Not Observable
		interpretation of results, andTrained and qualified in accordance with industry-accepted standards?	
		Note(s): The NDI training and qualification program must include classroom training, an examination and/or demonstration of proficiency, OJT, and recertification/recurrent training.	
		Updated: Rev # 6 on 06/23/2014 Kind Of Question: Flag, Supplemental, Domestic	
	1.5	The NDI training and qualification program must include classroom training, an examination and/or demonstration of proficiency, OJT, and recertification/recurrent training.	Yes No, Explain Not Applicable Not Observable
		Updated: Rev # 6 on 06/23/2014 Kind Of Question: Flag, Supplemental, Domestic	
	1.6	Did the operator maintain the current training status of maintenance and inspection personnel?	Yes No, Explain Not Observable
		Updated: Rev # 3 on 12/03/2009	

	Kind Of	Question: Flag, Supplemental, Domestic	
	Related	Performance JTIs:	
	1.	Check, at the air carrier specified location, that training records for maintenance and inspection personnel were maintained in locations per the operators design.	
		Sources: FAA Order 8900.1, Volume 3, Chapter 24, Section 1	
	2.	Check, at the air carrier specified location, that training was recorded and indicates the amount of formal and on-the job training each individual received per the operators design.	
		Sources: FAA Order 8900.1, Volume 3, Chapter 24, Section 1	
	3.	Check, at the training center, previous training for new RII inspectors was documented per the operators design.	
		Sources: FAA Order 8900.1, Volume 3, Chapter 24, Section 1	
1.7		quality and content of outsourced training meet the operator's training requirements?	Yes No, Explain Not Applicable Not Observable
		: Rev # 3 on 12/03/2009 Question: Flag, Supplemental, Domestic	
	Related	Performance JTIs:	
	1.	Check, at the training center, that contract training instructor qualifications were determine using acceptability criteria in accordance with the Certificate Holder's design.	
		Sources: FAA Order 8900.1, Vol 3, Chapter 24, Section 1.	
	2.	Check, at the training center, that the appropriateness of contract training reference material being used was established in accordance with the Certificate Holder's design.	
		Sources: FAA Order 8900.1, Vol 3, Chapter 24, Section 1.	
	3.	Check, at the training center, that the acceptability of contract training reporting procedures to inform the operator of student progress was determined in accordance with the Certificate Holder's design.	
		Sources: FAA Order 8900.1, Vol 3, Chapter 24, Section 1.	
	4.	Check, at the training center, that student progress was reported by the contractor in accordance with established and Certificate Holder accepted procedures.	
		Sources: FAA Order 8900.1, Vol 3, Chapter 24, Section 1.	
	5.	Check, at the training center, that the contractors training syllabus was evaluated in accordance with the Certificate Holder's design.	
		Sources: FAA Order 8900.1, Vol 3, Chapter 24, Section 1.	

1.8	Were deficiencies within the training program identified and corrected?	Yes No, Explain
	Note(s): Changes to the operator's Continuous Airworthiness Maintenance Program that affect training courses should be identified and incorporated.	☐ Not Observable
	Updated: Rev # 3 on 12/03/2009 Kind Of Question: Flag, Supplemental, Domestic	
	Related Performance JTIs:	
	 Check, at the training center, that identified deficiencies discovered through the Continuos Analysis and Surveillance and/or Reliability Program were incorporated into its recurrent training in accordance with the Certificate Holder's design. 	
	Sources: FAA Order 8900.1, Vol 3, Chapter 24, Section 1.	
	 Check, at the training center, through review of the training syllabus, that indoctrination training subjects were upgraded in recurrent training in accordance with the Certificate Holder's design. 	
	Sources: FAA Order 8900.1, Vol 3, Chapter 24, Section 1.	
	 Check, at the training center, through review of the training syllabus, that subjects were upgraded in recurrent training in accordance with the Certificate Holder's design. 	
	Sources: FAA Order 8900.1, Vol 3, Chapter 24, Section 1.	
1.9	Did maintenance and inspection personnel received initial and recurrent training in a timely manner?	☐ Yes ☐ No, Explain ☐ Not Observable
	Updated: Rev # 3 on 12/03/2009 Kind Of Question: Flag, Supplemental, Domestic	
	Related Performance JTIs:	
	 Check, at the training center, that a schedule for recurrent training was maintained in accordance with the Certificate Holder's design. 	
	Sources: FAA Order 8900.1, Vol 3, Chapter 24, Section 1.	
1.10	Were instructors trained, qualified, and authorized to perform their duties?	Yes No, Explain
	Updated: Rev # 3 on 12/03/2009 Kind Of Question: Flag, Supplemental, Domestic	Not Observable
	Related Performance JTIs:	
	 Check, at the training center, that a file on each maintenance and RII instructor consisting of instructor qualifications and authorizations is maintained in accordance with the operators design. 	
	Sources: FAA Order 8900.1, Vol 3, Chapter 24, Section 1	
1.11	Did the observed training cover the subject matter contained in the training	Yes

	program for:	☐ No, Explain ☐ Not Observable
	 Maintenance, Preventive maintenance, and Required inspection item (RII) functions? 	
	Updated: Rev # 3 on 12/03/2009 Kind Of Question: Flag, Supplemental, Domestic	
1.12	Did the training include an evaluation indicating the participant completed the training?	Yes No, Explain Not Observable
	Updated: Rev # 3 on 12/03/2009 Kind Of Question: Flag, Supplemental, Domestic	
1.13	Did the training provide current information regarding the following:	Yes No, Explain
	 Required inspection policy and procedures, How to identify required inspection items (RII), How to accomplish required inspection item (RII) tasks (including aircraft specific requirements) and any special techniques or practices, and New equipment used to perform required inspections? 	Not Observable
	Note(s): The scope and detail of training for required inspection items may differ for maintenance and inspection personnel based on their duties and responsibilities.	
	Updated: Rev # 3 on 12/03/2009 Kind Of Question: Flag, Supplemental, Domestic	
	Related Performance JTIs:	
	 Check, at the training center, that the certificate holders RII training program syllabus contains information on the designation of the items of maintenance and alteration that must be inspected (required inspection item system/component listing). 	
	Sources: Sources: 121.135(a)(1); 121.369(b)(2); 121.375	
	 Check, at the training center, through course observation, that training on the designation of the items of maintenance and alteration that must be inspected (RII system/component listing) is provided to persons authorized to perform required inspections in accordance with the certificate holders design. 	
	Sources: Sources: 121.135(a)(1); 121.369(b)(2); 121.375	
	3. Check, at the training center, through course observation, that training on procedures to ensure that all required inspections are performed is provided to persons authorized to perform required inspections in accordance with the certificate holders design.	
	Sources: Sources: 121.135(a)(1); 121.369(b)(6); 121.37	

4. Check, at the training center, through course observation, that training on procedures to prevent any decision of an inspector, regarding any required inspection from being countermanded by persons other than supervisory personnel of the inspection unit is provided to persons authorized to perform required inspections in accordance with the certificate holders design.

Sources: Sources: 121.135(a)(1); 121.369(b)(8); 121.375

5. Check, at the training center, through course observation, that training on procedures to prevent any decision of an inspector, regarding any required inspection from being countermanded by persons other than a person at that level of administrative control that has overall responsibility for the management of both the required inspection functions and the other maintenance, preventive maintenance, and alterations functions is provided to persons authorized to perform required inspections in accordance with the certificate holders design.

Sources: Sources: 121.135(a)(1); 121.369(b)(8); 121.375

6. Check, at the training center, through course observation, that training on procedures to ensure that required inspections that are not completed as a result of shift changes or similar work interruptions are properly completed before the aircraft is released to service is provided to persons authorized to perform required inspections in accordance with the certificate holders design.

Sources: Sources: 121.135(a)(1); 121.369(b)(9); 121.375

7. Check, at the training center, through course observation, that training on method of performing required inspections is provided to persons authorized to perform required inspections in accordance with the certificate holders design.

Sources: Sources: 121.135(a)(1); 121.369(b)(3); 121.375

8. Check, at the training center, through course observation, that training on procedures for the reinspection of work performed pursuant to previous required inspection findings (buy-back procedures), is provided to persons authorized to perform required inspections in accordance with the certificate holders design.

Sources: Sources: 121.135(a)(1); 121.369(b)(4); 121.375

9. Check, at the training center, through course observation, that training on rejection of the items required to be inspected is provided to persons authorized to perform required inspections in accordance with the certificate holders design.

Sources: Sources: 121.135(a)(1); 121.369(b)(5); 121.375

10. Check, at the records repository, that acceptability of the contractors RII training syllabus was determined in accordance with the certificate holders design.

Sources: FAA Order 8900.1, Vol 3, Chapter 24, Section 1

1.14	Did the training program inform maintenance and inspection personnel about procedures for re-inspection of work performed pursuant to previous required inspection findings (buy-back procedures)?	Yes No, Explain Not Observable
	Updated: Rev # 3 on 12/03/2009 Kind Of Question: Flag, Supplemental, Domestic	
1.15	Did the training program inform maintenance and inspection personnel about procedures, standards, and limits necessary for the acceptance or rejection of required inspection items?	Yes No, Explain Not Observable
	Updated: Rev # 3 on 12/03/2009 Kind Of Question: Flag, Supplemental, Domestic	
1.16	Did the training program inform maintenance and inspection personnel about procedures to ensure that all required inspections are done?	Yes No, Explain Not Observable
	Updated: Rev # 3 on 12/03/2009 Kind Of Question: Flag, Supplemental, Domestic	
1.17	Did the training program inform maintenance and inspection personnel that no person may perform a required inspection if they performed the item of work required to be inspected?	Yes No, Explain Not Observable
	Updated: Rev # 6 on 06/23/2014 Kind Of Question: Flag, Supplemental, Domestic	
1.18	Did the training program inform maintenance and inspection personnel about methods for required inspections that are not completed because of shift changes or similar work interruptions, are properly completed before the aircraft is released to service?	Yes No, Explain Not Observable
	Updated: Rev # 3 on 12/03/2009 Kind Of Question: Flag, Supplemental, Domestic	
1.19	Did the training program inform maintenance and inspection personnel about methods that prevent a required inspection decision from being countermanded by anyone other than supervisory personnel of the inspection unit?	Yes No, Explain Not Observable
	Updated: Rev # 3 on 12/03/2009 Kind Of Question: Flag, Supplemental, Domestic	
1.20	Did the training inform maintenance and inspection personnel that required inspections may only be done by those who are:	Yes No, Explain Not Observable
	 Appropriately certificated, Qualified, Authorized, and Under the supervision of an inspection unit at the time of the inspection? 	
	Updated: Rev # 8 on 07/24/2015 Kind Of Question: Flag, Supplemental, Domestic	
	Related Performance JTIs:	

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	1.	Check, at the training facility, that a statement, that RII students are appropriately qualified exists in accordance with the certificate holders design.	
		Sources: FAA Order 8900.1, Vol 3, Chapter 24, Section 1	
	2.	Check, at the training facility, that a statement, that RII students are appropriately authorized exists in accordance with the certificate holders design.	
		Sources: FAA Order 8900.1, Vol 3, Chapter 24, Section 1	
	3.	Check, at the training facility, that a statement, that RII students are appropriately certificated, exists in accordance with the certificate holders design.	
		Sources: FAA Order 8900.1, Vol 3, Chapter 24, Section 1	
	4.	Check, at the training facility, that a statement, that RII students are current as airframe and/or powerplant mechanics or appropriately certificated repairmen, exists in accordance with the certificate holders design.	
		Sources: FAA Order 8900.1, Vol 3, Chapter 24, Section 1	
1.21		raining inform maintenance and inspection personnel about recurrent he-job (OJT) training requirements?	Yes No, Explain Not Observable
		l: Rev # 3 on 12/03/2009 Question: Flag, Supplemental, Domestic	
1.22		nining facilities and training aids used in the maintenance and inspection adequate?	Yes No, Explain Not Observable
		l: Rev # 3 on 12/03/2009 Question: Flag, Supplemental, Domestic	
	Related	Performance JTIs:	
	1.	Check, at the training center, that a syllabus describing the training aids is maintained in accordance with the certificate holders design	
		Sources: FAA Order 8900.1, Vol 3, Chapter 24, Section 1	
	2.	Check, at the training center, through course observation, that the training aids described match information provided on the certificate holders RII an maintenance training syllabus.	
		Sources: FAA Order 8900.1, Vol 3, Chapter 24, Section 1	
	3.	Check, at the records repository, that adequacy of contract training facilities was determined in accordance with the certificate holders design.	
		Sources: FAA Order 8900.1, Vol 3, Chapter 24, Section 1	
1.23	Was the	training provided accepted and/or approved in accordance with the	Yes

	training program's policies and procedures?	☐ No, Explain☐ Not Observable
	Updated: Rev # 3 on 12/03/2009 Kind Of Question: Flag, Supplemental, Domestic	INOT Observable
	Related Performance JTIs:	
	 Check, at the training center, that the RII and maintenance training programs were accepted by the FAA in accordance with the certificate holders design. 	
	Sources: FAA Order 8900.1, Vol 3, Chapter 24, Section 1	
	 Check, at the training center, that RII and maintenance training programs was approved by the responsible manager in accordance with the certificate holders design. 	
	Sources: FAA Order 8900.1, Vol 3, Chapter 24, Section 1	
	 Check, at the training center, that the RII and maintenance training programs contained a list of effective pages showing the FAA acceptance date in accordance with the certificate holders design. 	
	Sources: FAA Order 8900.1, Vol 3, Chapter 24, Section 1	
1.24	Did the operator follow policies, procedures, instructions, and information for this element?	Yes No, Explain Not Observable
	Updated: Rev # 3 on 12/03/2009 Kind Of Question: Flag, Supplemental, Domestic	
1.25	Did the operator follow controls for this element?	Yes No, Explain Not Observable
	Updated: Rev # 3 on 12/03/2009 Kind Of Question: Flag, Supplemental, Domestic	
1.26	Did the records for this element comply with the instructions?	Yes No, Explain Not Observable
	Updated: Rev # 3 on 12/03/2009 Kind Of Question: Flag, Supplemental, Domestic	
1.27	Were the process measurements for this element:	Yes No, Explain
	 Effective in identifying actual or potential problems, and Did the operator identify and take corrective action for identified problems? 	☐ Not Observable
	Updated: Rev # 3 on 12/03/2009 Kind Of Question: Flag, Supplemental, Domestic	
1.28	Did the operator follow its method for evaluating the impact of changes in this process to other related processes that interface with this process?	Yes No, Explain Not Applicable Not Observable
	Updated: Rev # 5 on 09/30/2013 Kind Of Question: Flag, Supplemental, Domestic	

1.29	Did the observed interactions between personnel accomplishing interfacing processes produce the desired result?	☐ Yes ☐ No, Explain ☐ Not Observable
	Updated: Rev # 5 on 09/30/2013 Kind Of Question: Flag, Supplemental, Domestic	

	EPI SECTION 1 - PERFORMANCE OBSERVABLES
	Drop-Down Menu
1.	Personnel.
2.	Tools and Equipment.
3.	Technical Data.
4.	Policies, procedures, instructions, or information.
5.	Materials.
6.	Facilities.
7.	Controls.
8.	Process Measures.
9.	Interfaces.
10.	Desired Outcome.
11.	Other.

EPI SECTION 2 - MANAGEMENT RESPONSIBILITY & AUTHORITY OBSERVABLES

Objective:

Answers to questions in this section address the responsibility and authority of the people who manage this process. They will help determine if there is a qualified and knowledgeable person who:

- Is responsible for the process,
- Is answerable for the quality of the process,
- Has the authority to establish and modify the process.

Note: The person with the authority may or may not be the person with the responsibility.

Tasl	ks
	The inspector shall accomplish the following tasks:
1	Identify the person who has overall responsibility for the processes associated with this element.
2	Identify the person who has overall authority for the processes associated with this element.
	Note : If there have been no major changes in key personnel or the program since the last SAI or EPI was accomplished, then only answer questions 1 and 2 below, and select "No Change" (N/C) for the remaining questions. If changes have occurred that affect the responsibility or authority attributes for this element, then accomplish all tasks and answer all questions.
3	Review the duties and responsibilities for the person(s) who manage the processes associated with this element.
4	Review the appropriate organizational chart.
5	Discuss the processes associated with this element with the management personnel identified in tasks 1 and 2.
6	Review the qualifications and work experience of the management personnel identified in tasks 1 and 2.

Questions		
2.1	Is the identified person who is responsible for the quality of the processes associated with this element actively filling that position?	☐ Yes ☐ No, Explain ☐ Not Observable
	Updated: Rev # 3 on 12/03/2009	
	Kind Of Question: Flag, Supplemental, Domestic	
2.2	Is the identified person who has authority to establish and modify the operator's policies, procedures, instructions and information for the processes associated with this element actively filling that position?	Yes No, Explain Not Observable
	Updated: Rev # 3 on 12/03/2009	
	Kind Of Question: Flag, Supplemental, Domestic	
2.3	Does the responsible person know that he/she has responsibility for the processes associated with this element?	Yes No, Explain No Change Not Observable
	Updated: Rev # 3 on 12/03/2009	

	Kind Of Question: Flag, Supplemental, Domestic		
2.4	Does the person with authority know that he/she has authority for the processes associated with this element?	Yes No, Explain No Change Not Observable	
	Updated: Rev # 3 on 12/03/2009 Kind Of Question: Flag, Supplemental, Domestic		
2.5	Does the person with responsibility for the processes associated with this element meet the qualification and work experience standards?	Yes No, Explain No Change Not Observable	
	Updated: Rev # 3 on 12/03/2009 Kind Of Question: Flag, Supplemental, Domestic		
2.6	Does the person with authority to establish and modify the processes associated with this element meet the qualification and work experience standards?	Yes No, Explain No Change Not Observable	
	Updated: Rev # 3 on 12/03/2009 Kind Of Question: Flag, Supplemental, Domestic	_	
2.7	Does the person with responsibility understand the controls, process measurements, and interfaces associated with this element?	Yes No, Explain No Change Not Observable	
	Updated: Rev # 3 on 12/03/2009 Kind Of Question: Flag, Supplemental, Domestic		
2.8	Does the person with authority understand the controls, process measurements, and interfaces associated with this element?	Yes No, Explain No Change Not Observable	
	Updated: Rev # 3 on 12/03/2009 Kind Of Question: Flag, Supplemental, Domestic		
2.9	Does the person with responsibility know who has authority to establish and modify the processes associated with this element?	Yes No, Explain No Change Not Observable	
	Updated: Rev # 3 on 12/03/2009 Kind Of Question: Flag, Supplemental, Domestic		
2.10	Does the person with authority know who has the responsibility for the processes associated with this element?	Yes No, Explain No Change Not Observable	
	Updated: Rev # 3 on 12/03/2009 Kind Of Question: Flag, Supplemental, Domestic		
		/ADI 50	
	EPI SECTION 2 - MANAGEMENT RESPONSIBILITY & AUTHORITY OBSERV	/ABLES	
1	Drop-Down Menu		
1. /	Assignment of responsibility.		

	EPI SECTION 2 - MANAGEMENT RESPONSIBILITY & AUTHORITY OBSERVABLES
	Drop-Down Menu
1.	Assignment of responsibility.
2.	Assignment of authority.
3.	Does not understand policies, procedures, instructions, or information.
4.	Does not understand controls.
5.	Does not understand process measurements.
6.	Does not understand interfaces.

7.	Span of control.
8.	Position vacant.
9.	Other.